

Title (en)
VEHICLE LAMP

Title (de)
FAHRZEUGLAMPE

Title (fr)
LAMPE DE VÉHICULE

Publication
EP 4224055 A1 20230809 (EN)

Application
EP 22171801 A 20220505

Priority
KR 20220015308 A 20220207

Abstract (en)
A vehicle lamp may include a plurality of optical modules and a mixing lens for mixing light emitted from each optical module in front of the plurality of optical modules, thereby freely designing an optical system without restrictions according to a shape of a lamp, and at the same time, realizing a uniform light emitting image in a form of a surface light source.

IPC 8 full level
F21S 41/20 (2018.01); F21S 41/141 (2018.01); F21S 41/26 (2018.01); F21S 41/265 (2018.01)

CPC (source: CN EP KR US)
F21S 41/141 (2018.01 - EP); F21S 41/143 (2018.01 - KR); F21S 41/151 (2018.01 - US); F21S 41/25 (2018.01 - CN KR); F21S 41/26 (2018.01 - EP US); F21S 41/265 (2018.01 - EP); F21S 41/28 (2024.05 - EP); F21S 41/295 (2018.01 - KR); F21S 41/30 (2018.01 - CN); G02B 3/00 (2013.01 - KR); F21W 2102/13 (2018.01 - CN); F21W 2107/10 (2018.01 - CN); F21Y 2115/10 (2016.08 - CN); G02B 2003/0093 (2013.01 - KR)

Citation (applicant)
KR 101713159 B1 20170307

Citation (search report)
• [XA] US 2017030543 A1 20170202 - GROMFELD YVES [FR], et al
• [X] US 2018087732 A1 20180329 - DE LAMBERTERIE ANTOINE [FR], et al
• [X] US 2008151567 A1 20080626 - ALBOU PIERRE [FR]
• [X] JP 2014086306 A 20140512 - STANLEY ELECTRIC CO LTD

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
US 11662074 B1 20230530; CN 116592303 A 20230815; EP 4224055 A1 20230809; KR 20230119320 A 20230816

DOCDB simple family (application)
US 202217660796 A 20220426; CN 202210562107 A 20220523; EP 22171801 A 20220505; KR 20220015308 A 20220207